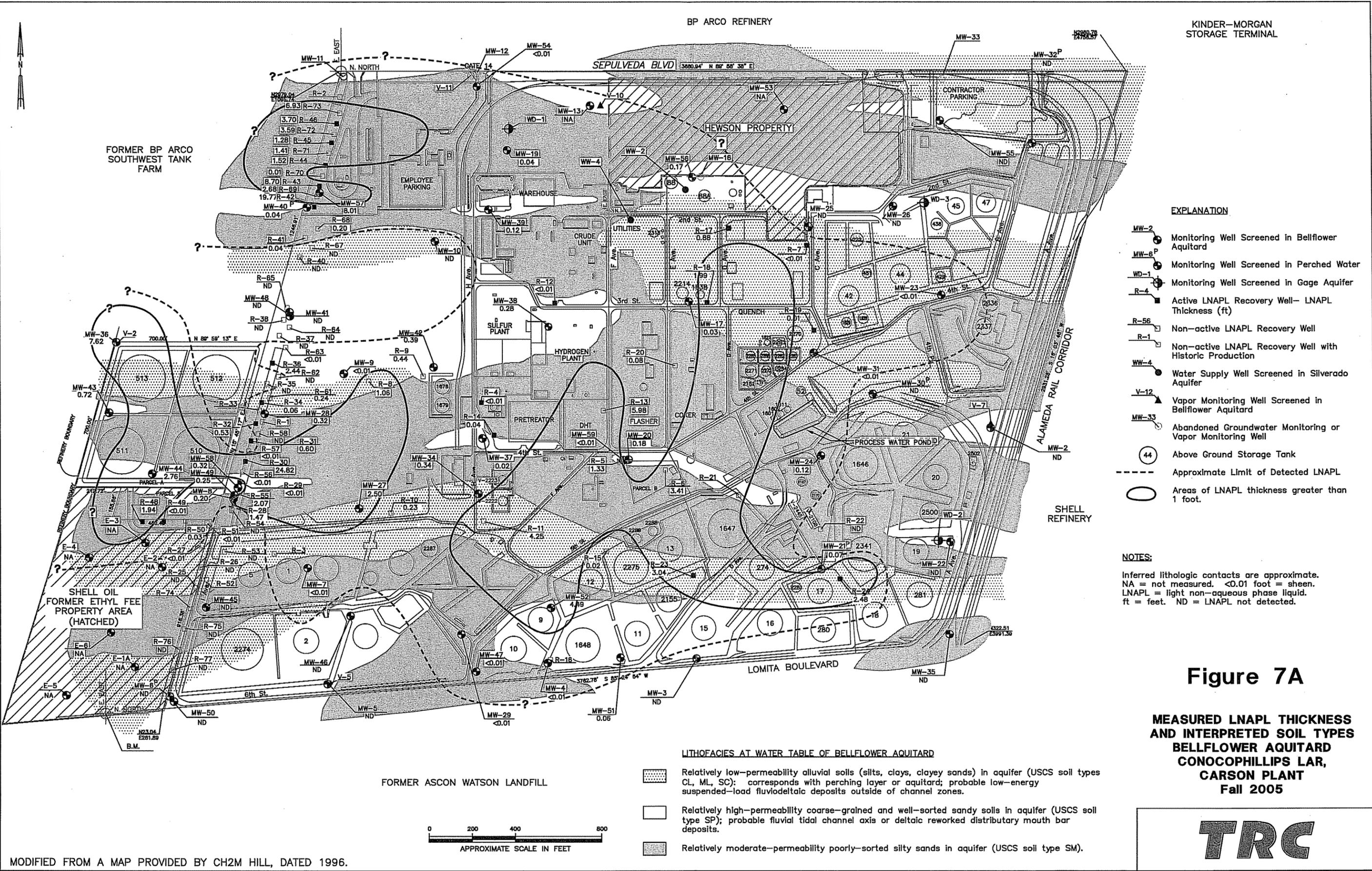


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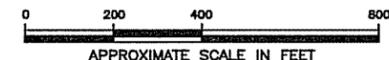
- EXPLANATION**
- MW-2 Monitoring Well Screened in Bellflower Aquitard
 - MW-6^P Monitoring Well Screened in Perched Water
 - WD-1 Monitoring Well Screened in Gage Aquifer
 - R-4 Active LNAPL Recovery Well- LNAPL Thickness (ft)
 - R-56 Non-active LNAPL Recovery Well
 - R-1 Non-active LNAPL Recovery Well with Historic Production
 - WW-4 Water Supply Well Screened in Silverado Aquifer
 - V-12 Vapor Monitoring Well Screened in Bellflower Aquitard
 - MW-33 Abandoned Groundwater Monitoring or Vapor Monitoring Well
 - 44 Above Ground Storage Tank
 - - - Approximate Limit of Detected LNAPL
 - Areas of LNAPL thickness greater than 1 foot.

NOTES:
 Inferred lithologic contacts are approximate.
 NA = not measured. <0.01 foot = sheen.
 LNAPL = light non-aqueous phase liquid.
 ft = feet. ND = LNAPL not detected.

Figure 7A

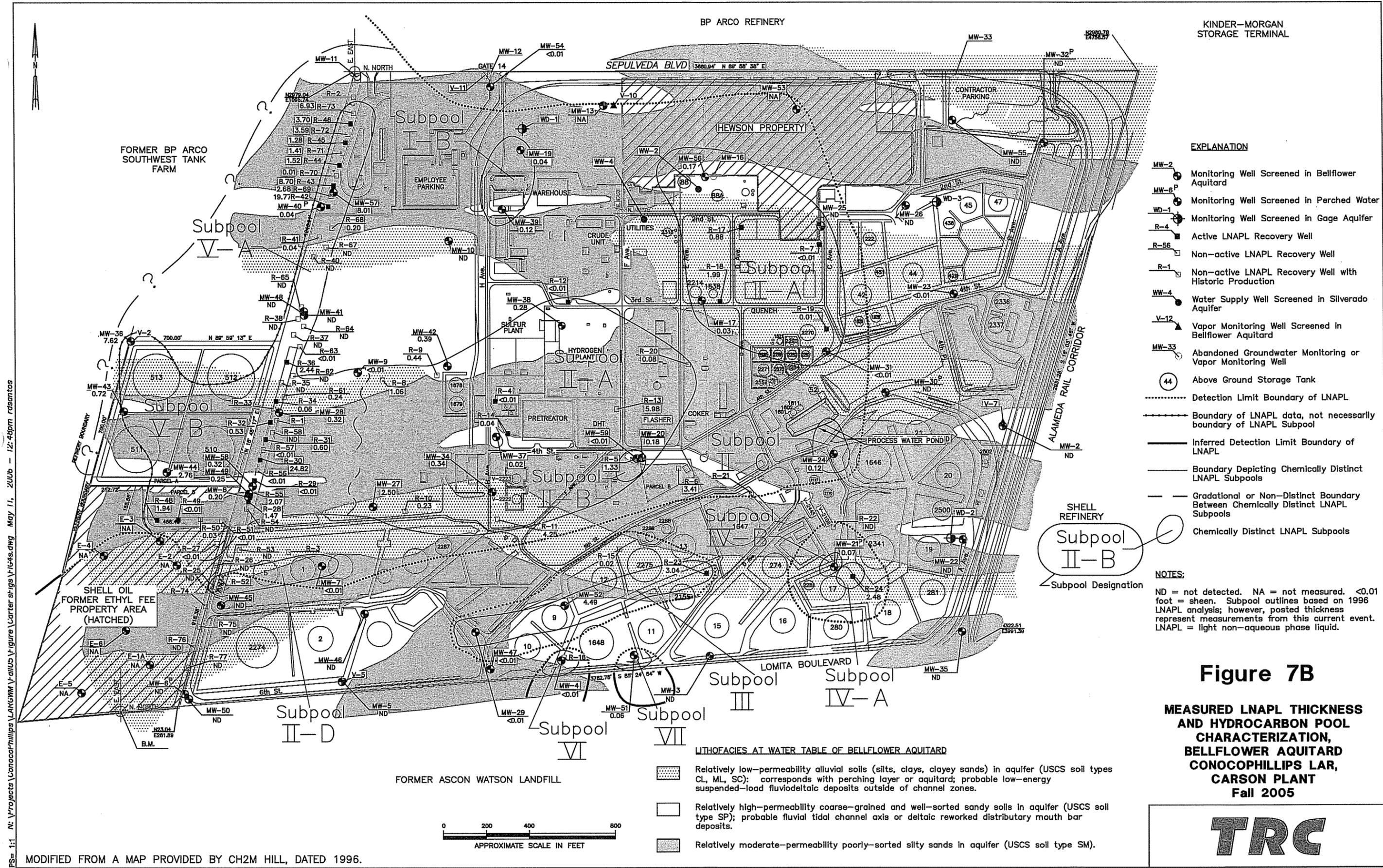
MEASURED LNAPL THICKNESS AND INTERPRETED SOIL TYPES BELLFLOWER AQUITARD CONOCOPHILLIPS LAR, CARSON PLANT Fall 2005

- LITHOFACIES AT WATER TABLE OF BELLFLOWER AQUITARD**
- Relatively low-permeability alluvial soils (silt, clays, clayey sands) in aquifer (USCS soil types CL, ML, SC); corresponds with perching layer or aquitard; probable low-energy suspended-load fluviodeltaic deposits outside of channel zones.
 - Relatively high-permeability coarse-grained and well-sorted sandy soils in aquifer (USCS soil type SP); probable fluvial tidal channel axis or deltaic reworked distributary mouth bar deposits.
 - Relatively moderate-permeability poorly-sorted silty sands in aquifer (USCS soil type SM).



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KINDER-MORGAN STORAGE TERMINAL

EXPLANATION

- MW-2 Monitoring Well Screened in Bellflower Aquitard
- MW-6P Monitoring Well Screened in Perched Water
- WD-1 Monitoring Well Screened in Gage Aquifer
- R-4 Active LNAPL Recovery Well
- R-56 Non-active LNAPL Recovery Well
- R-1 Non-active LNAPL Recovery Well with Historic Production
- WW-4 Water Supply Well Screened in Silverado Aquifer
- V-12 Vapor Monitoring Well Screened in Bellflower Aquitard
- MW-33 Abandoned Groundwater Monitoring or Vapor Monitoring Well
- 44 Above Ground Storage Tank
- Detection Limit Boundary of LNAPL
- Boundary of LNAPL data, not necessarily boundary of LNAPL Subpool
- Inferred Detection Limit Boundary of LNAPL
- Boundary Depicting Chemically Distinct LNAPL Subpools
- Gradational or Non-Distinct Boundary Between Chemically Distinct LNAPL Subpools
- Chemically Distinct LNAPL Subpools

NOTES:

ND = not detected. NA = not measured. <0.01 foot = sheen. Subpool outlines based on 1996 LNAPL analysis; however, posted thickness represent measurements from this current event. LNAPL = light non-aqueous phase liquid.

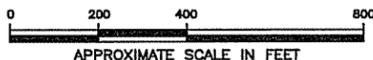
Figure 7B

MEASURED LNAPL THICKNESS AND HYDROCARBON POOL CHARACTERIZATION, BELLFLOWER AQUITARD, CONOCOPHILLIPS LAR, CARSON PLANT Fall 2005



LITHOFACIES AT WATER TABLE OF BELLFLOWER AQUITARD

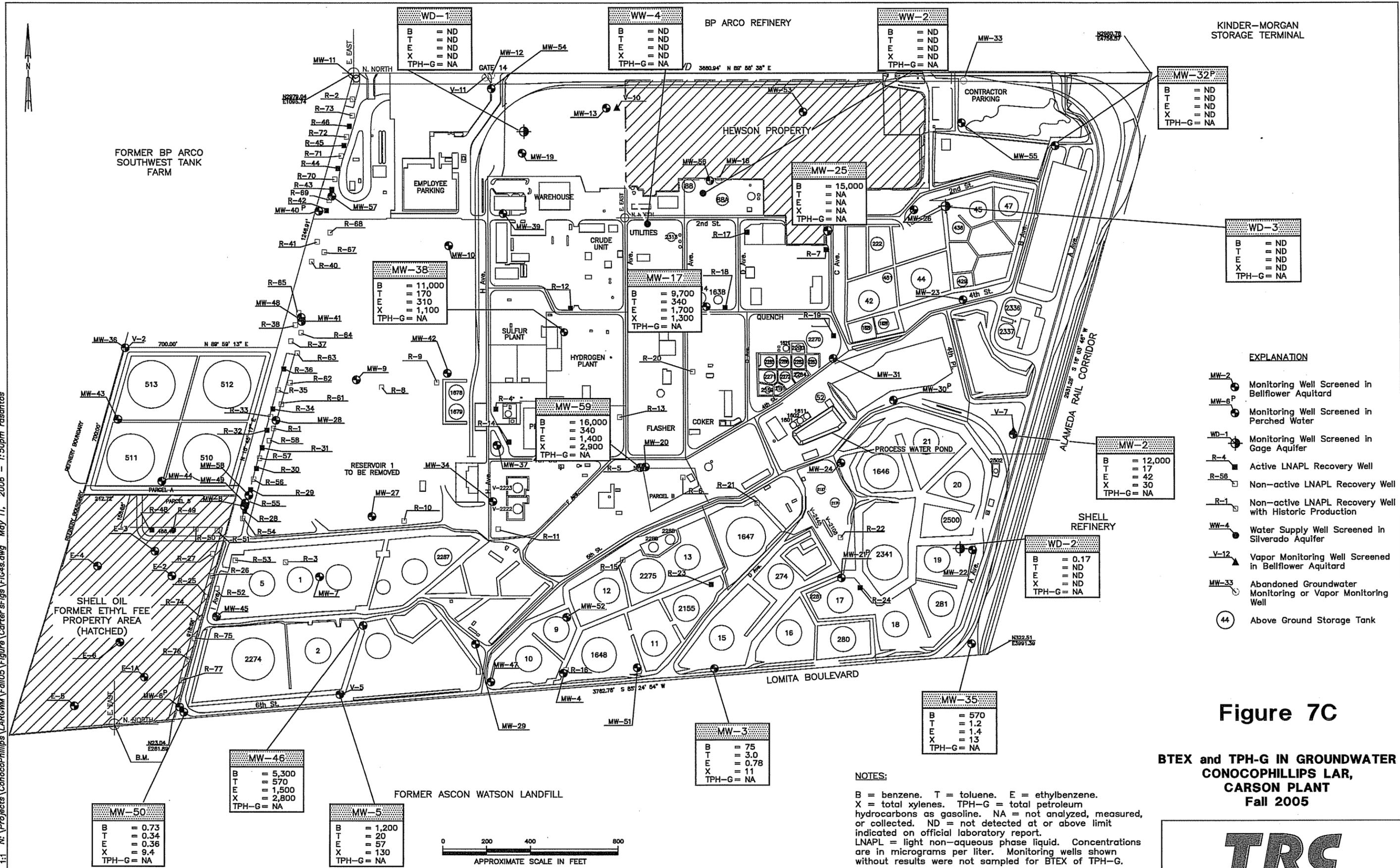
- Relatively low-permeability alluvial soils (silt, clays, clayey sands) in aquifer (USCS soil types CL, ML, SC); corresponds with perching layer or aquitard; probable low-energy suspended-load fluvio-deltaic deposits outside of channel zones.
- Relatively high-permeability coarse-grained and well-sorted sandy soils in aquifer (USCS soil type SP); probable fluvial tidal channel axis or deltaic reworked distributary mouth bar deposits.
- Relatively moderate-permeability poorly-sorted silty sands in aquifer (USCS soil type SM).



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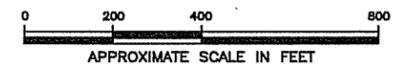
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- EXPLANATION**
- MW-2 Monitoring Well Screened in Bellflower Aquitar
 - MW-6 Monitoring Well Screened in Perched Water
 - WD-1 Monitoring Well Screened in Gage Aquifer
 - R-4 Active LNAPL Recovery Well
 - R-56 Non-active LNAPL Recovery Well
 - R-1 Non-active LNAPL Recovery Well with Historic Production
 - WW-4 Water Supply Well Screened in Silverado Aquifer
 - V-12 Vapor Monitoring Well Screened in Bellflower Aquitar
 - MW-33 Abandoned Groundwater Monitoring or Vapor Monitoring Well
 - 44 Above Ground Storage Tank

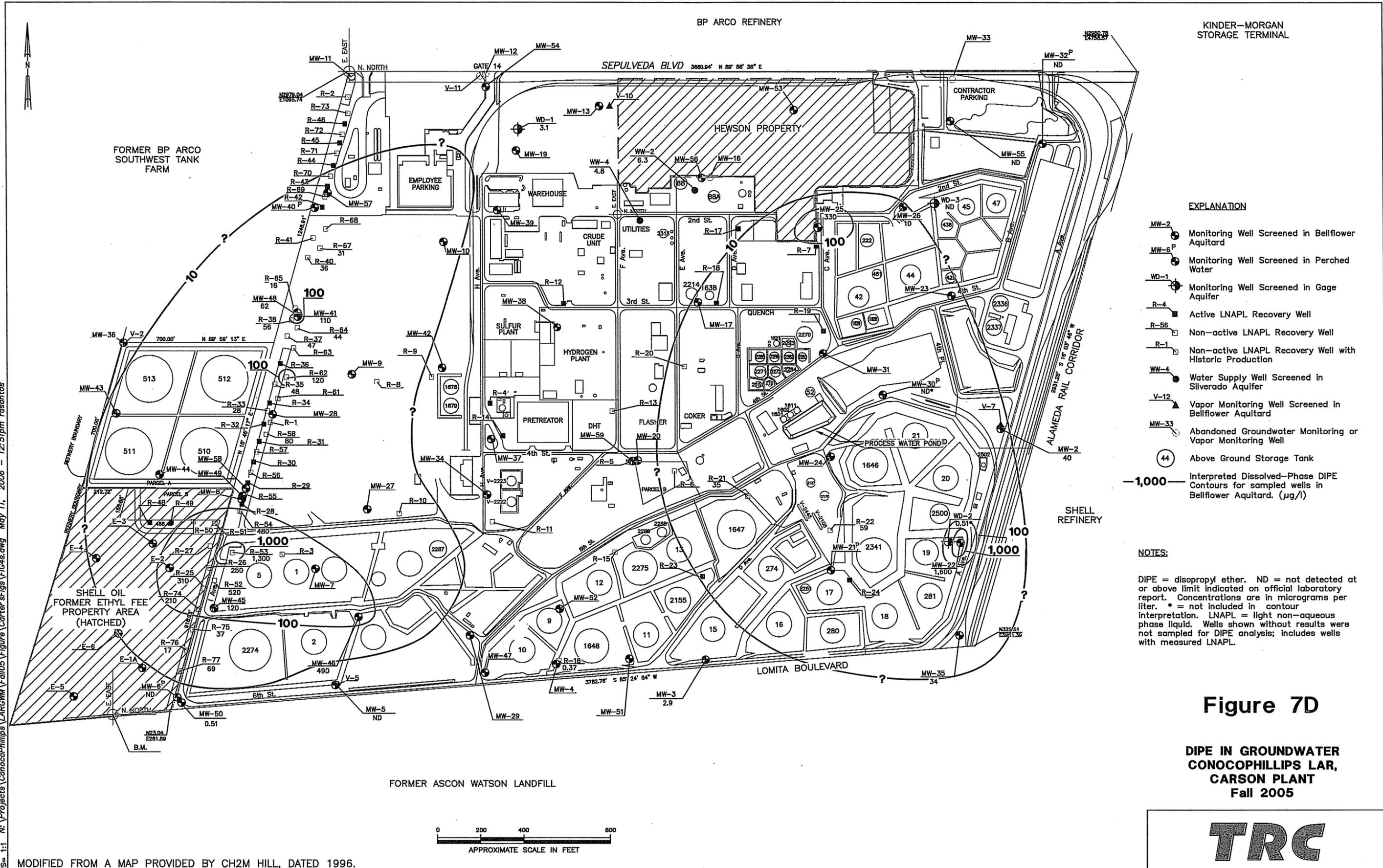
Figure 7C
BTEX and TPH-G IN GROUNDWATER
CONOCOPHILLIPS LAR,
CARSON PLANT
Fall 2005

NOTES:
 B = benzene. T = toluene. E = ethylbenzene.
 X = total xylenes. TPH-G = total petroleum hydrocarbons as gasoline. NA = not analyzed, measured, or collected. ND = not detected at or above limit indicated on official laboratory report. LNAPL = light non-aqueous phase liquid. Concentrations are in micrograms per liter. Monitoring wells shown without results were not sampled for BTEX or TPH-G.



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KINDER-MORGAN STORAGE TERMINAL

EXPLANATION

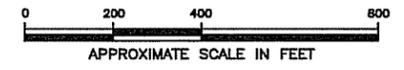
- MW-2 Monitoring Well Screened in Bellflower Aquitard
- MW-6^P Monitoring Well Screened in Perched Water
- WD-1 Monitoring Well Screened in Gage Aquifer
- R-4 Active LNAPL Recovery Well
- R-56 Non-active LNAPL Recovery Well
- R-1 Non-active LNAPL Recovery Well with Historic Production
- WW-4 Water Supply Well Screened in Silverado Aquifer
- V-12 Vapor Monitoring Well Screened in Bellflower Aquitard
- MW-33 Abandoned Groundwater Monitoring or Vapor Monitoring Well
- 44 Above Ground Storage Tank
- 1,000 Interpreted Dissolved-Phase DIPE Contours for sampled wells in Bellflower Aquitard. (µg/l)

NOTES:

DIPE = disopropyl ether. ND = not detected at or above limit indicated on official laboratory report. Concentrations are in micrograms per liter. * = not included in contour interpretation. LNAPL = light non-aqueous phase liquid. Wells shown without results were not sampled for DIPE analysis; includes wells with measured LNAPL.

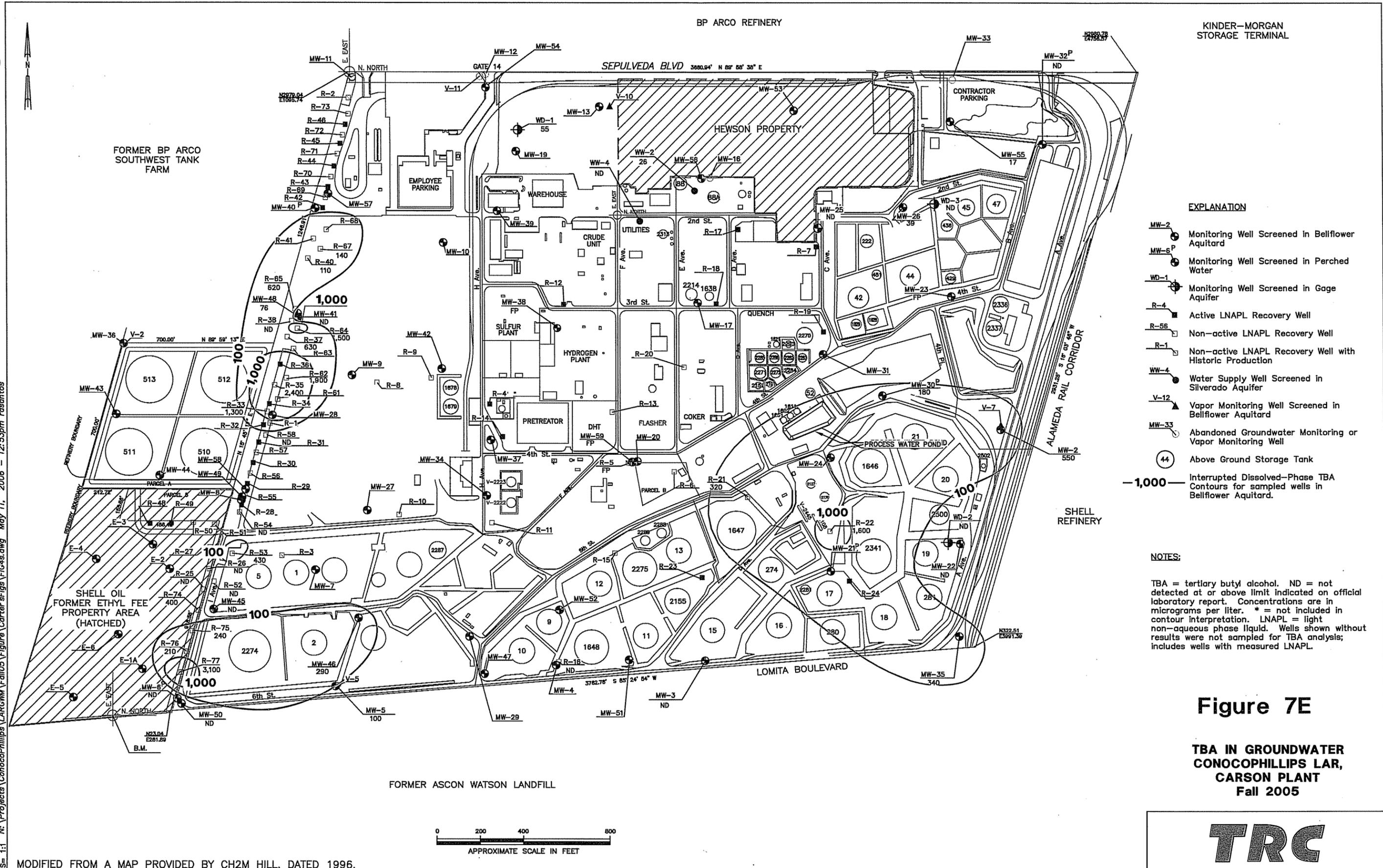
Figure 7D

**DIPE IN GROUNDWATER
CONOCOPHILLIPS LAR,
CARSON PLANT
Fall 2005**



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KINDER-MORGAN STORAGE TERMINAL

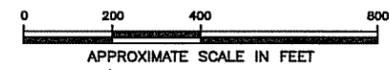
- EXPLANATION**
- MW-2 Monitoring Well Screened in Bellflower Aquitard
 - MW-6^P Monitoring Well Screened in Perched Water
 - WD-1 Monitoring Well Screened in Gage Aquifer
 - R-4 Active LNAPL Recovery Well
 - R-56 Non-active LNAPL Recovery Well
 - R-1 Non-active LNAPL Recovery Well with Historic Production
 - WW-4 Water Supply Well Screened in Silverado Aquifer
 - V-12 Vapor Monitoring Well Screened in Bellflower Aquitard
 - MW-33 Abandoned Groundwater Monitoring or Vapor Monitoring Well
 - 44 Above Ground Storage Tank
 - 1,000 Interrupted Dissolved-Phase TBA Contours for sampled wells in Bellflower Aquitard.

NOTES:

TBA = tertiary butyl alcohol. ND = not detected at or above limit indicated on official laboratory report. Concentrations are in micrograms per liter. * = not included in contour interpretation. LNAPL = light non-aqueous phase liquid. Wells shown without results were not sampled for TBA analysis; includes wells with measured LNAPL.

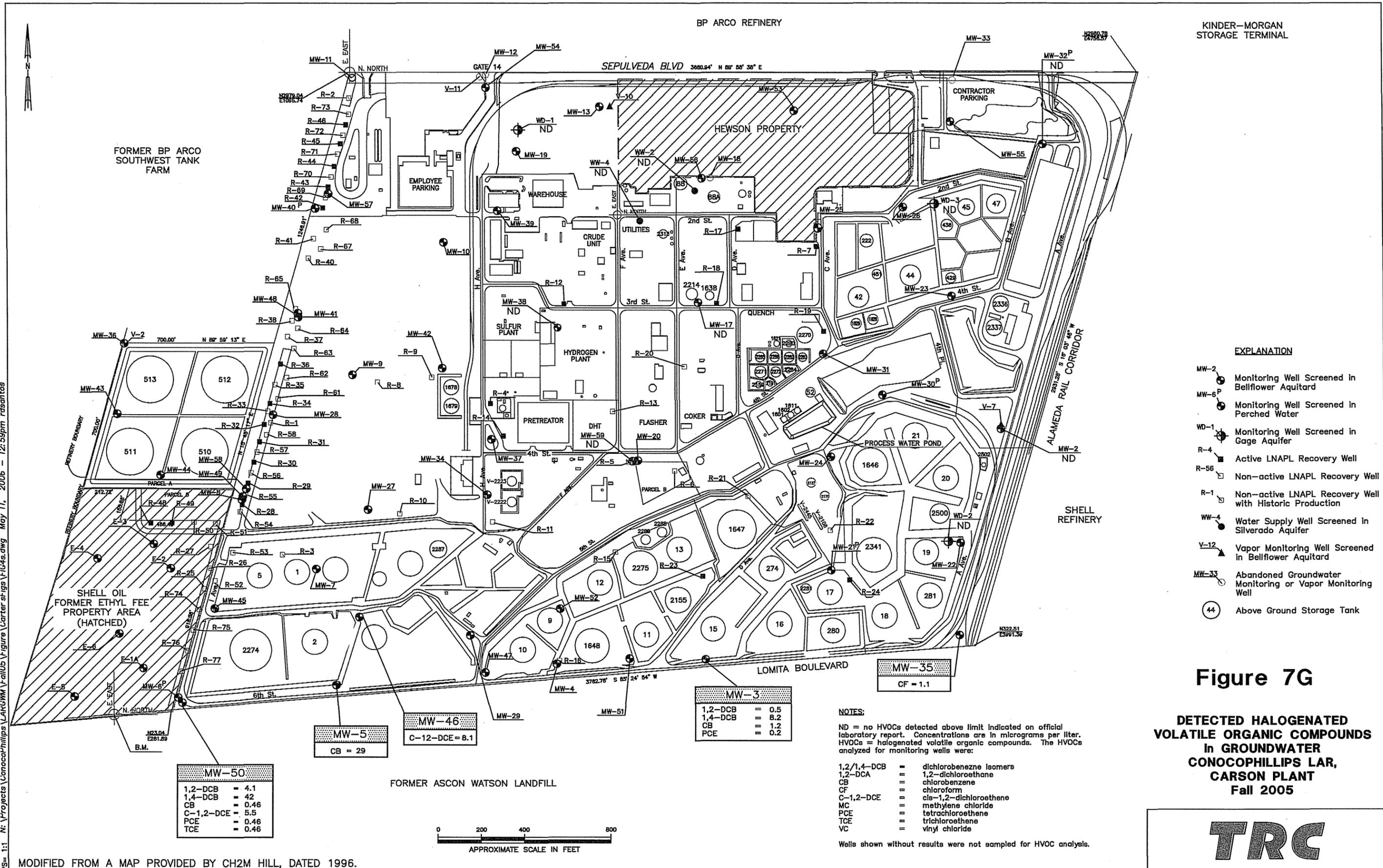
Figure 7E

**TBA IN GROUNDWATER
CONOCOPHILLIPS LAR,
CARSON PLANT
Fall 2005**



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KINDER-MORGAN STORAGE TERMINAL

- EXPLANATION**
- MW-2 Monitoring Well Screened in Bellflower Aquitard
 - MW-6P Monitoring Well Screened in Perched Water
 - WD-1 Monitoring Well Screened in Gage Aquifer
 - R-4 Active LNAPL Recovery Well
 - R-56 Non-active LNAPL Recovery Well
 - R-1 Non-active LNAPL Recovery Well with Historic Production
 - MW-4 Water Supply Well Screened in Silverado Aquifer
 - V-12 Vapor Monitoring Well Screened in Bellflower Aquitard
 - MW-33 Abandoned Groundwater Monitoring or Vapor Monitoring Well
 - 44 Above Ground Storage Tank

Figure 7G
DETECTED HALOGENATED VOLATILE ORGANIC COMPOUNDS in GROUNDWATER CONOCOPHILLIPS LAR, CARSON PLANT Fall 2005

NOTES:
 ND = no HVOCs detected above limit indicated on official laboratory report. Concentrations are in micrograms per liter. HVOCs = halogenated volatile organic compounds. The HVOCs analyzed for monitoring wells were:

1,2/1,4-DCB	=	dichlorobenzene isomers
1,2-DCA	=	1,2-dichloroethane
CB	=	chlorobenzene
CF	=	chloroform
C-1,2-DCE	=	cis-1,2-dichloroethene
MC	=	methylene chloride
PCE	=	tetrachloroethene
TCE	=	trichloroethene
VC	=	vinyl chloride

Wells shown without results were not sampled for HVOC analysis.



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